

PTO/SB/088 (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Applicant Number	10/675,780
Filing Date	September 30, 2003
First Named Inventor	Ashim Kumar Ghosh
Art Unit	154 1733
Examiner Name	WJDD
Attorney Docket Number	SABI-30145 (STC 03-0008)

Sheet	2	of	3
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
afw	AA	KAEDING, W.W., et al., Selective Alkylation of Toluene to Produce para-Xylene, Journal of Catalysis 67, 1981, pp. 159-174. ★	
	AB	HIBINO, T., et al., Shape-Selectivity Over HZSM-5 Modified by Chemical Vapor Deposition of Silicon Alkoxide, Journal of Catalysis 128, 1991, pp. 551-558. ★	
	AC	YASHIMA, T., et al., Selective Formation of p-Xylene by Alkylation of Toluene with Methanol on ZSM-5 Type Zeolites, Stud. Surf. Sci. Catal., 1981, 7, pp. 739-751. ★	
	AD	SAYED, M. B., et al., The Effect of Modification with Boron on the Catalytic Activity and Selectivity of HZSM-5, Journal of Catalysis 101, 1986, pp. 43-55. ★	
	AE	KIM, J.-H, et al., Generation of Shape-Selectivity of p-Xylene Formation in the Synthesized ZSM-5 Zeolites, Journal of Catalysis 173, 1998, pp. 433-439. ★	
	AF	VINEK, H., et al., Production and Reactions of Xylenes over H-ZSM-5, Journal of Molecular Catalysis, 64, 1991, pp. 23-39. ★	
	AG	CHEN, N.Y., Reactions of Mixtures of Toluene and Methanol Over ZSM-5, Journal of Catalysis 114, 1988, pp. 17-22. ★	
	AH	YOUNG, L.B., et al., Shape Selective Reactions with Zeolite Catalysts, Journal of Catalysis 76, 1982, pp. 418-432. ★	
	AI	NIRULA, S.C., Para-Xylene From Toluene and Methanol, Process Economics Program, 1983, pp. 1-23, SRI International, Menlo Park, CA. ★	
afw	AJ	WANG, I., et al., Para-selectivity of Diaklybenzenes over Modified HZSM-5 by Vapour Phase Deposition of Silica, Applied Catalysis, 54, 1989, 257-266. ★	

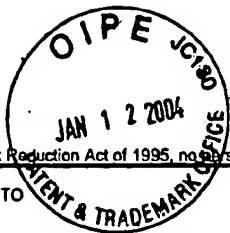
Examiner Signature	WJDD	Date Considered	4/13/05
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**INFORMATION DISCLOSURE
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(Use as many sheets as necessary)

Sheet

3

of

3

Application Number

10/675,780

Filing Date

September 30, 2003

First Named Inventor

Ashim Kumar Ghosh

Art Unit

~~1754~~ 1755

Examiner Name

WJOPP

Attorney Docket Number

SABI-30145 (STC 03-0008)

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CEM	AK	DAS, J., et al., Ethylbenzene Dealkylation and Realkylation over Pore Size Regulated MFI Zeolite, Ind. Eng. Chem. Res., 32, 1993, pp. 2525-2529. *	
WJ	AL	KIM, J.-H., et al., Para-selectivity of Metallosilicates with MFI Zeolite Structure Zeolites, Vol. 11, 1991, pp. 59-63. *	
CEM	AM	KIM, J.-H., et al., Preparation of Highly Para-selective Metallosilicate Catalysts for Alkylation of Ethylbenzene with Ethanol, Applied Catalysis A:100, 1993, pp. 27-36. *	

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Signature

WJOPP

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Application Number	10/675,780
Filing Date	September 30, 2003
First Named Inventor	Ashim Kumar Ghosh
Art Unit	1754 1755
Examiner Name	WJOPP
Attorney Docket Number	SABI-30145 (STC-03-0008)

Sheet 1 of 9

U. S. PATENT DOCUMENTS

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
CJH		US- 4,548,914	10-22-1985	Chu	
		US- 4,590,321	05-20-1986	Chu	
		US- 4,623,530	11-18-1986	Cullo et al.	
		US- 4,623,533	11-18-1986	Young	
		US- 4,638,106	01-20-1987	Pieters et al.	
		US- 4,665,251	06-12-1987	Chu	
		US- 4,670,616	06-02-1987	De Simone et al.	
		US- 4,673,767	06-16-1987	Nimry et al.	
		US- 4,694,114	09-15-1987	Chu et al.	
		US- 4,695,686	09-22-1987	Chao et al.	
		US- 4,695,687	09-22-1987	Sumitani et al.	
		US- 4,704,495	11-03-1987	Dessau	
		US- 4,716,135	12-29-1987	Chen	
		US- 4,721,827	01-26-1988	Cullo et al.	
		US- 4,727,209	02-23-1988	Chao	
		US- 4,746,763	05-24-1988	Kocal	
		US- 4,758,328	07-19-1988	Young	
	CJH		US- 4,761,513	08-02-1988	Stacey
		US- 4,847,223	07-11-1989	Le Van Mao et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶

Examiner Signature	WJOPP	Date Considered	4/13/05
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/675,780
Filing Date	September 30, 2003
First Named Inventor	Ashim Kumar Ghosh
Art Unit	1254-1755
Examiner Name	WOOD
Attorney Docket Number	SABI-30145 (STC-03-0008)

Sheet 12 of 9

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
WPN		US- 4,891,930	08-29-1980	Cottrell et al.	
		US- 4,873,087	10-10-1989	Valyocsik et al.	
		US- 4,891,187	01-02-1990	Derouane et al.	
		US- 4,891,467	01-02-1990	Sikkenga	
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		US- 4,914,067	04-03-1990	Pellet et al.	
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		US- 4,962,266	10-09-1990	Fraenkel et al.	
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		US- 5,041,402	08-20-1991	Casci et al.	
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		US- 5,068,483	11-28-1991	Barthomeuf et al.	
		US- 5,094,995	03-10-1992	Butt et al.	
		US- 5,105,047	04-14-1992	Waller	
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		US- 5,110,776	05-05-1992	Chitnis et al.	
WPN		US- 5,124,299	06-23-1992	Waller	

FOREIGN PATENT DOCUMENTS

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Examiner Signature	WOOD	Date Considered	4/13/05
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This collection of information is required by 37 CFR 1.87 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1480, Alexandria, VA 22313-1480. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1480, Alexandria, VA 22313-1480.

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/675,780
Filing Date	September 30, 2003
First Named Inventor	Ashim Kumar Ghosh
Art Unit	4754 1755
Examiner Name	WOOD
Attorney Docket Number	SABI-30145 (STC-03-0008)

Sheet 3 of 9

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
C/W		US- 5,171,921	12-15-1992	Gaffney et al.	
		US- 5,173,461	12-22-1992	Absil et al.	
		US- 5,178,748	01-12-1993	Casci et al.	
		US- 5,231,064	07-27-1993	Absil et al.	
		US- 5,233,102	08-03-1993	Butt et al.	
		US- 5,248,888	09-21-1993	Faust et al.	
		US- 5,248,841	09-28-1993	Young	
		US- 5,254,767	10-19-1993	Dwyer	
		US- 5,254,770	10-19-1993	Olson et al.	
		US- 5,294,578	03-15-1994	Ho et al.	
		US- 5,315,033	05-24-1994	Butt et al.	
		US- 5,318,898	06-07-1994	Kowalski	
		US- 5,321,183	06-14-1994	Chang et al.	
		US- 5,336,478	08-09-1994	Dwyer et al.	
		US- 5,345,021	09-06-1994	Casci et al.	
		US- 5,348,643	09-20-1994	Absil et al.	
		US- 5,349,113	09-20-1994	Chang et al.	
		US- 5,365,003	11-15-1994	Chang et al.	
C/W		US- 5,366,948	11-22-1994	Absil et al.	

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Sheet 4

of

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Complete if Known

Application Number	10/675,780
Filing Date	September 30, 2003
First Named Inventor	Ashim Kumar Ghosh
Art Unit	1754-1755
Examiner Name	W000
Attorney Docket Number	SABI-30145 (STC-03-0008)

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W000		US- 5,367,100	11-22-1994	Gongwei et al.	
		US- 5,371,307	12-08-1994	Guth et al.	
		US- 5,378,870	01-03-1995	Kumar	
		US- 5,380,690	01-10-1995	Zhicheng et al.	
		US- 5,385,718	01-31-1995	Cascl et al.	
		US- 5,399,338	03-21-1995	Guth et al.	
		US- 5,430,212	07-04-1995	Butt et al.	
		US- 5,430,213	07-04-1995	Hendriksen et al.	
		US- 5,448,234	08-29-1995	Cascl et al.	
		US- 5,455,213	10-03-1995	Chang et al.	
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		US- 5,475,179	12-12-1995	Chang et al.	
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		US- 5,523,510	06-04-1996	Pellet et al.	
		US- 5,534,239	07-09-1996	Fajula et al.	
		US- 5,536,894	07-16-1996	Degnan et al.	

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First Named Inventor	Ashim Kumar Ghosh
Art Unit	1754 1755
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W000		US- 5,541,146	07-30-1996	Chang et al.	
		US- 5,561,095	10-01-1996	Chen et al.	
		US- 5,563,310	10-08-1996	Chang et al.	
		US- 5,589,805	10-29-1996	Beck et al.	
		US- 5,571,768	11-06-1996	Chang et al.	
		US- 5,573,748	11-12-1996	Chen	
		US- 5,576,256	11-19-1996	Monque et al.	
		US- 5,607,888	03-04-1997	Chang et al.	
		US- 5,607,890	03-04-1997	Chen et al.	
		US- 5,646,314	07-08-1997	Crocco et al.	
		US- 5,648,580	07-15-1997	Chen et al.	
		US- 5,658,454	08-19-1997	Absil et al.	
		US- 5,675,047	10-07-1997	Beck et al.	
		US- 5,689,024	11-18-1997	Schmitt	
		US- 5,698,758	12-16-1997	Beck et al.	
		US- 5,780,563	07-14-1998	Chen et al.	
		US- 5,789,335	08-04-1998	Chen et al.	
		US- 5,811,613	09-22-1998	Bhat et al.	
		US- 5,833,840	10-10-1998	Absil et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code* Number* Kind Code* (if known)			

Examiner Signature	W000	Date Considered	4/13/05
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PTO/SB/08A (08-03)

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Substitute for form 1448/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	7	of	9
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Complete if Known

Application Number	10/675,780
Filing Date	September 30, 2003
First Named Inventor	Ashim Kumar Ghosh
Art Unit	1754 1753
Examiner Name	W507
Attorney Docket Number	SAB130145 (STC-03-0008)

U. S. PATENT DOCUMENTS

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Examiner Initials*	Cite No.†	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code* # Invent			
CML		US- 6,100,437	08-08-2000	Koehl et al.	
		US- 6,124,227	09-26-2000	Yao et al.	
		US- 6,150,293	11-21-2000	Verduijn et al.	
		US- 6,156,949	12-05-2000	Brown et al.	
		US- 6,160,191	12-12-2000	Smith et al.	
		US- 6,187,982	02-13-2001	Beck et al.	
		US- 6,211,104	04-03-2001	Shi et al.	
		US- 6,217,748	04-17-2001	Hatanaka et al.	
		US- 6,251,263	06-26-2001	Hatanaka et al.	
		US- 6,294,493	09-25-2001	Strohmalder et al.	
		US- 6,300,636	10-09-2001	van den Berge et al.	
		US- 6,308,790	10-23-2001	Rodriguez et al.	
		US- 6,342,153	01-29-2002	Guan et al.	
		US- 6,388,156	05-14-2002	Ou et al.	
		US- 6,395,664	05-28-2002	Boehner et al.	
	CML		US- 6,299,530	08-04-2002	Chen et al.
		US- 6,417,421	07-09-2002	Yao	
		US- 6,423,879	07-23-2002	Brown et al.	
		US- 6,444,810	09-03-2002	Yamamoto	

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Date Considered

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PTQ/SB/D8A (D8-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/875,780
Filing Date	September 30, 2003
First Named Inventor	Ashim Kumar Ghosh
Art Unit	1755 1755
Examiner Name	Woo
Attorney Docket Number	SAB130145 (STC-03-0008)

Sheet	8	of	9
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U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
WJ		US- 6,459,006	10-01-2002	Ou et al.	
		US- 6,469,095	11-22-2002	Gareiss et al.	
		US- 6,503,862	01-07-2003	Yamamoto	
		US- 6,504,072	01-07-2003	Brown et al.	
		US- 6,504,074	01-07-2003	Verduijn et al.	
		US- 6,506,954	01-14-2003	Brown et al.	
		US- 6,518,213	02-11-2003	Yamamoto et al.	
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		US- 6,589,901	07-08-2003	Yamamoto	
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		US- 6,726,834	04-27-2004	Quesada et al.	
		US- 6,770,251	08-03-2004	Yoshikawa	
AM		US- 6,773,694	08-10-2004	Lesch et al.	

FOREIGN PATENT DOCUMENTS

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